

# Manchester Bridge Final Recommendation Report

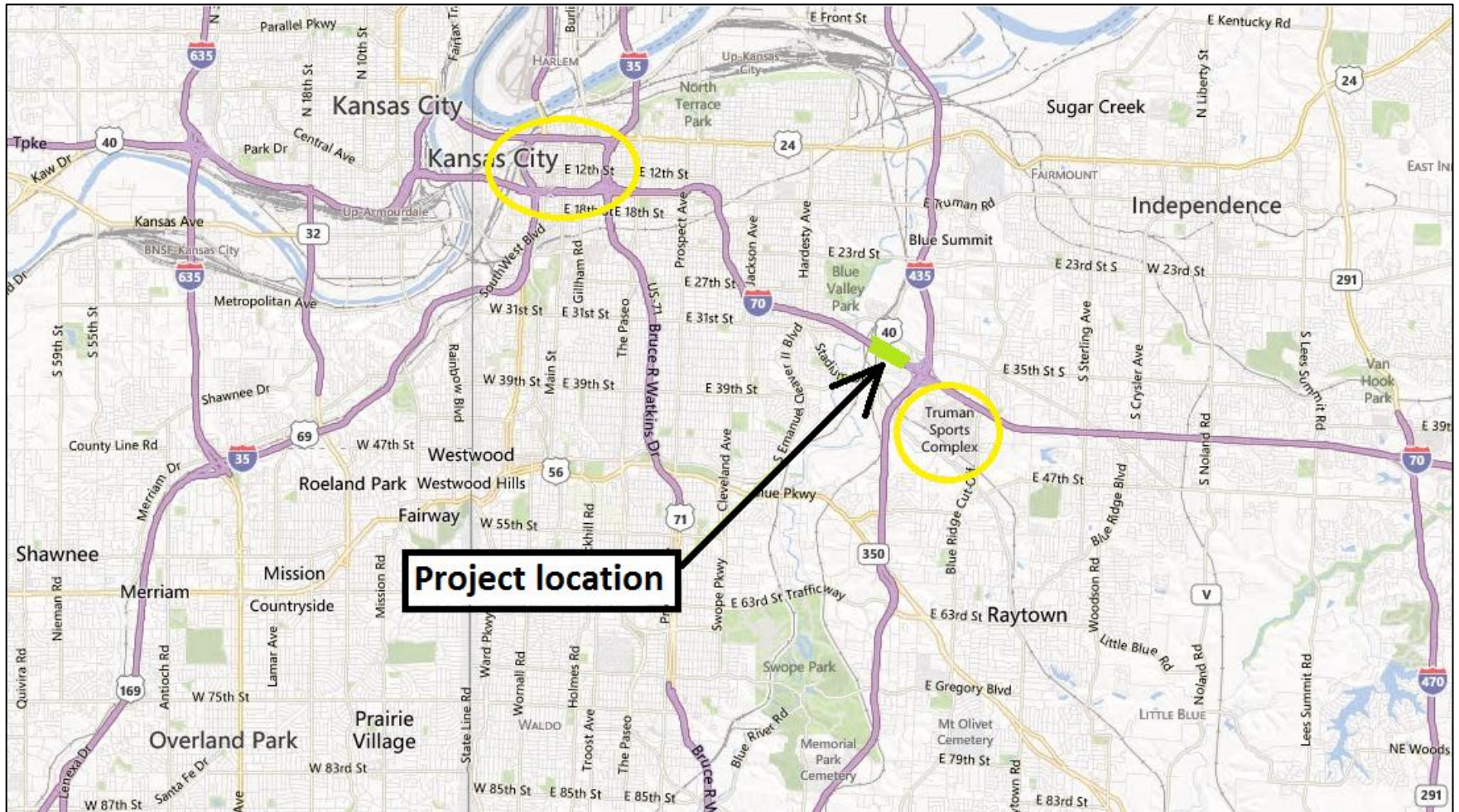


***July 9, 2013***





# Project Location





# Current Configuration



# Project Need

L0967      12-27-11  
Jackson co.      I-70 E.  
several F.D.P.'s throughout bridge





# Project Need



# Project Need





# Project Scope



**US-40 Historic Bridge**



**Optional Improvement**

**Manchester Bridge**



**Optional Improvement**

# Project Goals

1. Impress our customers through innovative solutions that conveniently and efficiently move drivers through the project during and after construction.
2. Construct durable structures that minimize future maintenance impacts.
3. Balance regional mobility with total project cost to achieve optimal value. (\$75 Million Max)
4. Deliver the Project no later than December 15, 2016.



# Project Schedule

- MHTC Delegation of Authority - August 2012
- Industry Meeting - January 8, 2013
- Issue Request for Qualifications (RFQ) - January 8
- **Short-listed - February 22**
- Issued Request for Proposals (RFP) - March 4
- Proposals submitted – June 7
- Recommendation to MHTC – Today

# Four Short-Listed Teams





# Evaluation Criteria

Area	Available Points
Maintenance of Traffic	350 + 50
Durability	200
Optional Improvements	100
Environmental	50
Completion Schedule	50
Cost	200
<b>TOTAL</b>	<b>1000</b>

# Disadvantaged Business Enterprise & Workforce Goals

- DBE Construction: 12%
- DBE Professional Services: 18%

DBE firms must be certified with the Missouri Regional Certification Committee (MRCC)

- Workforce: 12.7% minority
- Workforce: 6.9% women

Workforce goals are per craft or trade.



# Technical Summary

- No complete closures of I-70
- No lane closures during peak periods
- New four-lane bridges on I-70
- Improved overall safety
- Committed to environmental stewardship
- One year ahead of schedule

# Score Summary

Area	Clarkson	Emery Sapp	Kiewit	Walsh
Maintenance of Traffic (350 Points)	338	324	345	334
Maintenance of Traffic (50 Points)	23	28	21	28
Durability (200 Points)	165	185	175	172
Optional Improvements (100 Points)	72	94	85	71
Environmental (50 Points)	38	43	44	38
Completion Schedule (50 Points)	24	27	40	26
Cost (200 Points)	200	128	117	97
<b>Total (1000 Points)</b>	<b>860</b>	<b>829</b>	<b>827</b>	<b>766</b>



# Maintenance of Traffic Clarkson Construction Company



# Maintenance of Traffic Clarkson Construction Company

Figure 3-1: I-70 Phase 1, Stage 1 Typical Section

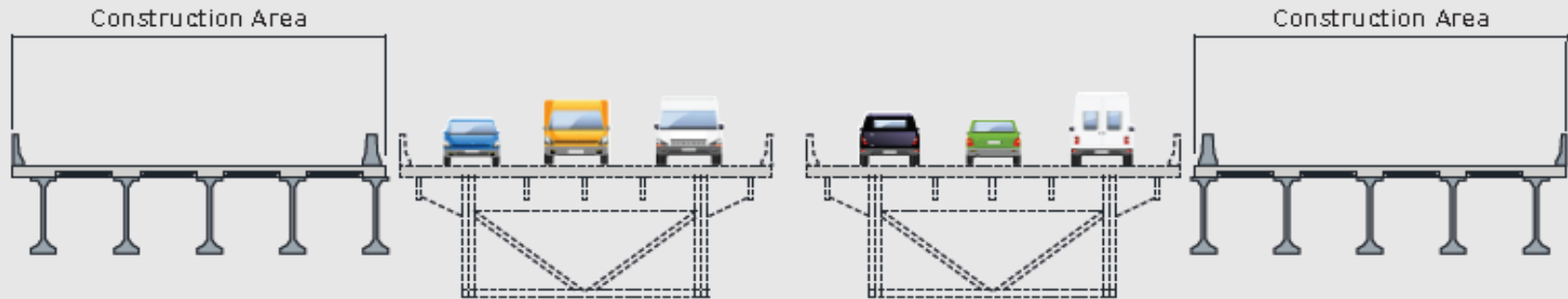
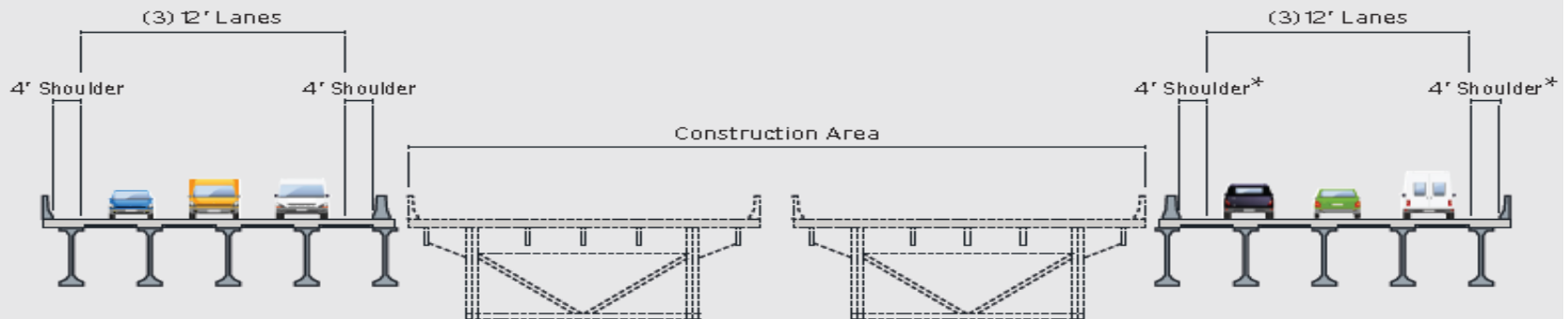


Figure 3-4: I-70 Phase 2, Stage 1 Typical Section



\* 0' shoulder for 270' portion



# Maintenance of Traffic

## Clarkson Construction Company

Location	Impact(s)	Point Reduction
I-70 Weekday Night <b>2-Lane Closure</b>		
I-70 Weekday Night <b>1-Lane Closure</b>		
I-70 Weekend <b>2-Lane Closure</b>	8	(12 points)
I-70 Weekend <b>1-Lane Closure</b>		

*Impress our customers through innovative solutions that conveniently and efficiently move drivers through the project during and after construction.*



# Durability

# Clarkson Construction Company

- Brand new structures
- Multi-girder redundant system
- Minimal number of expansion joints
- Easily inspected by snoopers truck

*Construct durable structures that minimize future maintenance impacts.*



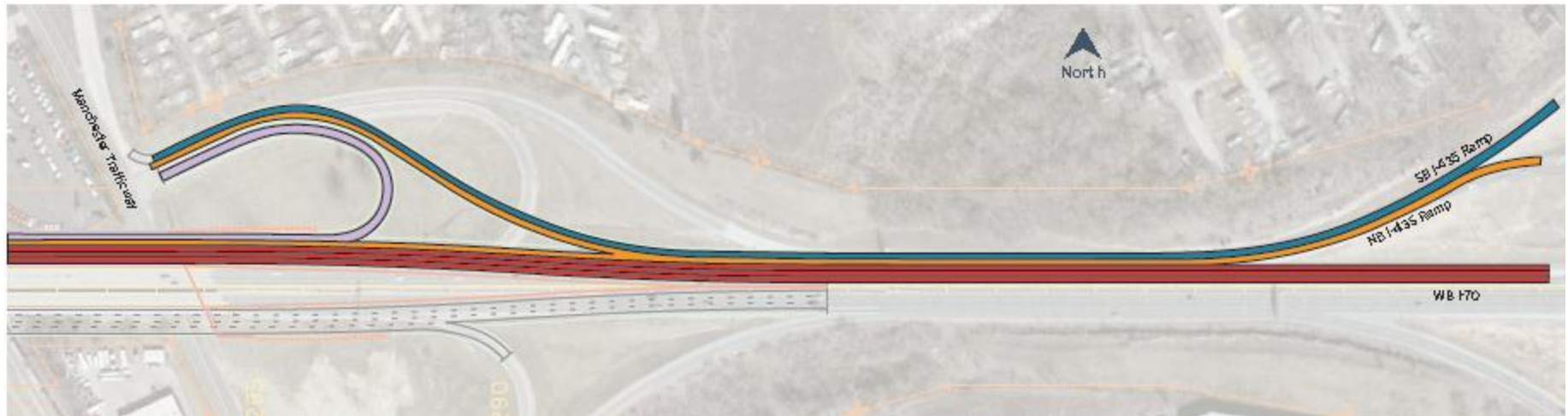
# Optional Improvements – Weave/Merge Area





# Weave/Merge Area

## Clarkson Construction Company



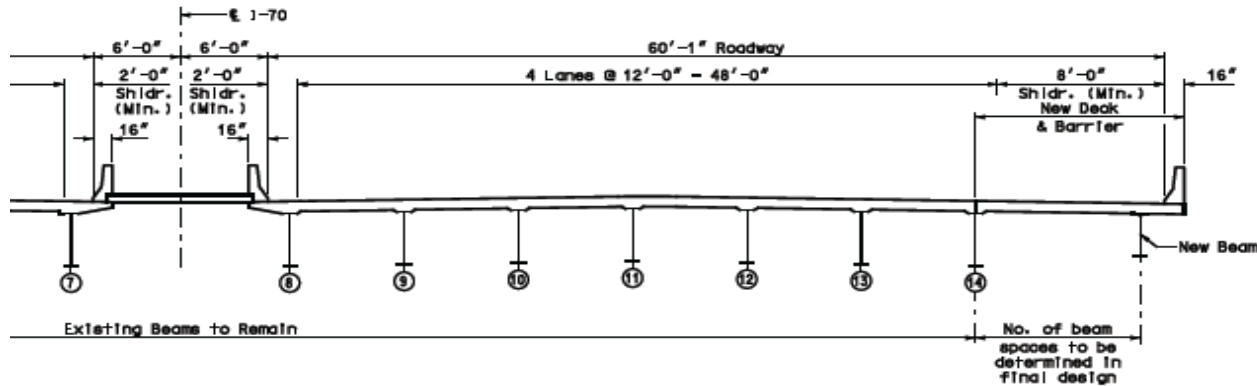
- Provide separate lanes for I-435 NB and I-435 SB
- Increase weave distance by 300'
- Maximum of one lane change in tight weave section



# Optional Improvements I-70 Bridge over US-40



# I-70 Bridge over US-40 Clarkson



- Eastbound: 8' shoulder
- Westbound: 6' shoulder
- Full depth & half-sole repairs to entire deck
- Epoxy polymer overlay to entire deck
- Estimated additional 10-25 year service life



# Completion Schedule

December 15, 2015

One year ahead of schedule



# Project Cost

\$63,757,689

# ***Recommendation of Best Value Proposer***

